

6/18/79

89/134,014

CAPlus  
Brasil  
Agricola

=> s homologous recombination

L1 8183 HOMOLOGOUS RECOMBINATION

=> s transgenic

L2 58532 TRANSGENIC

=> s l1 and l2

L3 503 L1 AND L2

=> s plant

L4 1038909 PLANT

=> s l3 and l4

L5 79 L3 AND L4

=> d 15 1-79

L5 ANSWER 1 OF 79 AGRICOLA

AN 1999:40213 AGRICOLA

DN IND21980299

TI Plastid transformation in Arabidopsis thaliana.

AU Sikdar, S.R.; Serino, G.; Chaudhuri, S.; Maliga, P.

CS Bose Institute, Calcutta, India.

AV DNAL (QK725.P54)

SO Plant cell reports, Nov 1998. Vol. 18, No. 1/2. p. 20-24

Publisher: Berlin, W. Ger. : Springer International.

CODEN: PCRPD8; ISSN: 0721-7714

NTE Includes references

CY Germany

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L5 ANSWER 2 OF 79 AGRICOLA

AN 1999:15276 AGRICOLA

DN IND21966159

TI Horizontal gene transfer from **transgenic** plants to terrestrial bacteria--a rare event?

AU Nielsen, K.M.; Bones, A.M.; Smalla, K.; Elsas, J.D. van.

CS Norwegian University of Science and Technology, Trondheim, Norway.

AV DNAL (QR1.F46)

SO FEMS microbiology reviews, June 1998. Vol. 22, No. 2. p. 79-103

Publisher: Amsterdam : Elsevier Science B.V.

CODEN: FMREE4; ISSN: 0168-6445

NTE Includes references

CY Netherlands

DT Article; Law

FS Non-U.S. Imprint other than FAO

LA English

L5 ANSWER 3 OF 79 AGRICOLA

AN 1999:7534 AGRICOLA

DN IND21959087

TI **Plant** nuclear gene knockout reveals a role in plastid division  
for the homolog of the bacterial cell division protein FtsZ, and  
ancestral  
tubulin.

AU Strepp, R.; Scholz, S.; Kruse, S.; Speth, V.; Reski, R.  
CS Albert-Ludwigs-Universitat Freiburg, Freiburg, Germany.  
SO Proceedings of the National Academy of Sciences of the United States of  
America, Apr 14, 1998. Vol. 95, No. 8. p. 4368-4373  
Publisher: Washington, D.C. : National Academy of Sciences,  
CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references  
CY District of Columbia; United States  
DT Article; Conference  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L5 ANSWER 4 OF 79 AGRICOLA  
AN 1999:2813 AGRICOLA  
DN IND21812585  
TI Transformation of Acinetobacter sp. strain BD413 by **transgenic**  
sugar beet DNA.

AU Gebhard, F.; Smalla, K.  
CS Institut fur Biochemie und Pflanzenvirologie, Braunschweig, Germany.  
AV DNAL (448.3 Ap5)  
SO Applied and environmental microbiology, Apr 1998. Vol. 64, No. 4. p.  
1550-1554  
Publisher: Washington : American Society for Microbiology  
CODEN: AEMIDF; ISSN: 0099-2240

NTE Includes references  
CY District of Columbia; United States  
DT Article  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L5 ANSWER 5 OF 79 AGRICOLA  
AN 1998:63495 AGRICOLA  
DN IND21380129  
TI Development of a binary vector system for **plant** transformation  
based on the supervirulent Agrobacterium tumefaciens strain Chry5.

AU Torisky, R.S.; Kovacs, L.; Avdiushko, S.; Newman, J.D.; Hunt, A.G.;  
Collins, G.B.  
AV DNAL (QK725.P54)  
SO Plant cell reports, Dec 1997. Vol. 17, No. 2. p. 102-108  
Publisher: Berlin, W. Ger. : Springer International.  
CODEN: PCRPD8; ISSN: 0721-7714

NTE Includes references  
CY Germany  
DT Article  
FS Non-U.S. Imprint other than FAO  
LA English

L5 ANSWER 6 OF 79 AGRICOLA  
AN 1998:28661 AGRICOLA  
DN IND20703012  
TI Efficient gene targeting in the moss Physcomitrella patens.

AU Schaefer, D.G.; Zryd, J.P.  
SO The Plant journal : for cell and molecular biology, June 1997. Vol. 11,  
No. 6. p. 1195-1206  
Publisher: Oxford : Blackwell Sciences Ltd.  
ISSN: 0960-7412

NTE Includes references  
CY England; United Kingdom  
DT Article  
FS Non-U.S. Imprint other than FAO  
LA English

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L5 ANSWER 7 OF 79 AGRICOLA  
 AN 1998:27370 AGRICOLA  
 DN IND20631463  
 TI Gene targeting and instability of Agrobacterium T-DNA loci in the **plant** genome.  
 AU Risseuw, E.; Franke-van Dijk, M.E.I.; Hooykaas, P.J.J.  
 SO The Plant journal : for cell and molecular biology, Apr 1997. Vol. 11,  
 No. 4. p. 717-728  
 Publisher: Oxford : BIOS Scientific Publishers Ltd and Blackwell Sciences Ltd.  
 ISSN: 0960-7412  
 NTE Includes references  
 CY England; United Kingdom  
 DT Article  
 FS Non-U.S. Imprint other than FAO  
 LA English

L5 ANSWER 8 OF 79 AGRICOLA  
 AN 97:61289 AGRICOLA  
 DN IND20586653  
 TI Targeting of a functional Escherichia coli RecA protein to the nucleus of **plant** cells.  
 AU Reiss, B.; Kosak, H.; Klemm, M.; Schell, J.  
 CS Max-Planck-Institut fur Zuchtungsforchung, Koln, Germany.  
 SO Molecular & general genetics : MGG, Feb 27, 1997. Vol. 253, No. 6. p. 695-702  
 Publisher: Berlin, Germany : Springer-Verlag Berlin.  
 CODEN: MGGEAE; ISSN: 0026-8925  
 NTE Includes references  
 CY Germany  
 DT Article  
 FS Non-U.S. Imprint other than FAO  
 LA English

L5 ANSWER 9 OF 79 AGRICOLA  
 AN 97:23819 AGRICOLA  
 DN IND20554573  
 TI Enhancement of somatic intrachromosomal **homologous recombination** in Arabidopsis by the HO endonuclease.  
 AU Chiurazzi, M.; Ray, A.; Viret, J.F.; Perera, R.; Wang, X.H.; Lloyd, A.M.; Signer, E.R.  
 CS Massachusetts Institute of Technology, Cambridge, MA.  
 SO The Plant cell, Nov 1996. Vol. 8, No. 11. p. 2057-2066  
 Publisher: [Rockville, MD : American Society of Plant Physiologists, c1989-  
 CODEN: PLCEEW; ISSN: 1040-4651  
 NTE Includes references  
 CY Maryland; United States  
 DT Article  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

L5 ANSWER 10 OF 79 AGRICOLA  
 AN 96:42550 AGRICOLA  
 DN IND20522908  
 TI Homology-dependent gene silencing in plants.  
 AU Meyer, P.; Saedler, H.  
 CS Max-Delbruck-Laboratorium in der MPG, Koln, Germany.  
 AV DNAL (QK1.A57)  
 SO Annual review of plant physiology and plant molecular biology, 1996. Vol. 47 p. 23-48  
 Publisher: Palo Alto, Calif. : Annual Reviews Inc., c1988-  
 CODEN: ARPBEX; ISSN: 1040-2519  
 NTE Includes references  
 CY California; United States

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DT Article; Law  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

L5 ANSWER 11 OF 79 AGRICOLA  
 AN 96:41917 AGRICOLA  
 DN IND20521952  
 TI Two different but related mechanisms are used in plants for the repair of genomic double-strand breaks by **homologous recombination**

AU Puchta, H.; Dujon, B.; Hohn, B.  
 CS Friedrich Miescher-Institut, Basel, Switzerland.  
 AV DNAL (500 N21P)  
 SO Proceedings of the National Academy of Sciences of the United States of America, May 14, 1996. Vol. 93, No. 10. p. 5055-5060  
 Publisher: Washington, D.C. : National Academy of Sciences,  
 CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references  
 CY District of Columbia; United States  
 DT Article; Conference  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

L5 ANSWER 12 OF 79 AGRICOLA  
 AN 96:33730 AGRICOLA  
 DN IND20514662  
 TI RecA protein stimulates **homologous recombination** in plants.

AU Reiss, B.; Klemm, M.; Kosak, H.; Schell, J.  
 CS Max-Planck-Institut fur Zuchtungsforschung, Cologne, Germany.  
 AV DNAL (500 N21P)  
 SO Proceedings of the National Academy of Sciences of the United States of America, Apr 2, 1996. Vol. 93, No. 7. p. 3094-3098  
 Publisher: Washington, D.C. : National Academy of Sciences,  
 CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references  
 CY District of Columbia; United States  
 DT Article; Conference  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

L5 ANSWER 13 OF 79 AGRICOLA  
 AN 95:61821 AGRICOLA  
 DN IND20482793  
 TI Trans-kingdom T-DNA transfer from *Agrobacterium tumefaciens* to *Saccharomyces cerevisiae*.

AU Bundock, P.; Dulk-Ras, A. den.; Beijersbergen, A.; Hooykaas, P.J.J.  
 CS Leiden University, Leiden, The Netherlands.  
 AV DNAL (QH506.E46)  
 SO The EMBO journal, July 3, 1995. Vol. 14, No. 3. p. 3206-3214  
 Publisher: Oxford, U.K. : Oxford University Press.  
 CODEN: EMJODG; ISSN: 0261-4189

NTE Includes references  
 CY England; United Kingdom  
 DT Article  
 FS Non-U.S. Imprint other than FAO  
 LA English

L5 ANSWER 14 OF 79 AGRICOLA  
 AN 95:59111 AGRICOLA  
 DN IND20479738  
 TI Somatic intrachromosomal **homologous recombination** events in populations of **plant** siblings.

AU Puchta, H.; Swoboda, P.; Gal, S.; Blot, M.; Hohn, B.  
 CS Friedrich Miescher-Institut, Basel, Switzerland.  
 AV DNAL (QK710.P62)

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SO Plant molecular biology, May 1995. Vol. 28, No. 2. p. 281-292  
 Publisher: Dordrecht : Kluwer Academic Publishers.  
 CODEN: PMBIDB; ISSN: 0167-4412  
 NTE Includes references  
 CY Netherlands  
 DT Article  
 FS Non-U.S. Imprint other than FAO  
 LA English

L5 ANSWER 15 OF 79 AGRICOLA  
 AN 94:57873 AGRICOLA  
 DN IND20408635  
 TI Recombination between vital RNA and **transgenic plant** transcripts.  
 AU Greene, A.E.; Allison, R.F.  
 AV DNAL (470 Sci2)  
 SO Science, Mar 11, 1994. Vol. 263, No. 5152. p. 1423-1425  
 Publisher: Washington, D.C. : American Association for the Advancement of Science.  
 CODEN: SCIEAS; ISSN: 0036-8075  
 NTE Includes references  
 CY District of Columbia; United States  
 DT Article  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

L5 ANSWER 16 OF 79 AGRICOLA  
 AN 94:41994 AGRICOLA  
 DN IND20396312  
 TI Intrachromosomal **homologous recombination** in whole plants.  
 AU Swoboda, P.; Gal, S.; Hohn, B.; Puchta, H.  
 AV DNAL (QH506.E46)  
 SO The EMBO journal, Jan 15, 1994. Vol. 13, No. 2. p. 484-489  
 Publisher: Oxford, U.K. : Oxford University Press.  
 CODEN: EMJODG; ISSN: 0261-4189  
 NTE Includes references  
 CY England; United Kingdom  
 DT Article  
 FS Non-U.S. Imprint other than FAO  
 LA English

L5 ANSWER 17 OF 79 AGRICOLA  
 AN 93:47643 AGRICOLA  
 DN IND93029536  
 TI Somatic **homologous recombination** in planta: the recombination frequency is dependent on the allelic state of recombining sequences and may be influenced by genomic position effects.  
 AU Swoboda, P.; Hohn, B.; Gal, S.  
 CS Friedrich Miescher-Institut, Basel, Switzerland  
 AV DNAL (442.8 Z34)  
 SO M G G : Molecular and general genetics, Feb 1993. Vol. 237, No. 1/2. p. 33-40  
 Publisher: Berlin, W. Ger. : Springer International.  
 CODEN: MGGEAE; ISSN: 0026-8925  
 NTE Includes references.  
 DT Article  
 FS Non-U.S. Imprint other than FAO  
 LA English

L5 ANSWER 18 OF 79 AGRICOLA  
 AN 93:38577 AGRICOLA  
 DN IND93022141  
 TI Stress-induced intrachromosomal recombination in **plant** somatic cells.  
 AU Lebel, E.G.; Masson, J.; Bogucki, A.; Paszkowski, J.

CS Friedrich Miescher Institute, Basel, Switzerland  
AV DNAL (500 N21P)  
SO Proceedings of the National Academy of Sciences of the United States of America, Jan 15, 1993. Vol. 90, No. 2. p. 422-426  
Publisher: Washington, D.C. : The Academy.  
CODEN: PNASA6; ISSN: 0027-8424  
NTE Includes references.  
DT Article  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L5 ANSWER 19 OF 79 AGRICOLA  
AN 92:80708 AGRICOLA  
DN IND92045950  
TI Somatic and meiotic chromosomal recombination between inverted duplications in **transgenic** tobacco plants.  
AU Tovar, J.; Lichtenstein, C.  
CS Imperial College of Science, Technology, London, UK  
AV DNAL (QK725.P532)  
SO The Plant cell, Mar 1992. Vol. 4, No. 3. p. 319-332  
Publisher: Rockville, Md. : American Society of Plant Physiologists.  
ISSN: 1040-4651  
NTE Includes references.  
DT Article  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L5 ANSWER 20 OF 79 AGRICOLA  
AN 91:79768 AGRICOLA  
DN IND91043733  
TI Genomic **homologous recombination** in planta.  
AU Gal, S.; Pisan, B.; Hohn, T.; Grimsley, N.; Hohn, B.  
CS Friedrich Miescher-Institut, Basel, Switzerland  
AV DNAL (QH506.E46)  
SO The EMBO journal - European Molecular Biology Organization, June 1991. Vol. 10, No. 6. p. 1571-1578  
Publisher: Oxford, Eng. : IRL Press.  
CODEN: EMJODG; ISSN: 0261-4189  
NTE Includes references.  
DT Article  
FS Non-U.S. Imprint other than FAO  
LA English

L5 ANSWER 21 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1999:10441 BIOSIS  
DN PREV199900010441  
TI **Transgenic** plants are sensitive bioindicators of nuclear pollution caused by the Chernobyl accident.  
AU Kovalchuk, Igor; Kovalchuk, Olga; Arkhipov, Andrey; Hohn, Barbara (1)  
CS (1) Friedrich Miescher Inst., P.O. Box 2543, CH-4002 Basel Switzerland  
SO Nature Biotechnology, (Nov., 1998) Vol. 16, No. 11, pp. 1054-1059.  
ISSN: 1087-0156.  
DT Article  
LA English

L5 ANSWER 22 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1998:519510 BIOSIS  
DN PREV199800519510  
TI Horizontal gene transfer from **transgenic** plants to terrestrial bacteria - a rare event.  
AU Nielsen, Kaare M. (1); Bones, Atle M.; Smalla, Kornelia; Van Elsas, Jan D.  
CS (1) UNIGEN-Cent. Mol. Biol., Dep. Botany, Norwegian Univ. Sci. Technol., 7005 Trondheim Norway  
SO FEMS Microbiology Reviews, (June, 1998) Vol. 22, No. 2, pp. 79-103.  
ISSN: 0168-6445.

DT General Review  
LA English

L5 ANSWER 23 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1998:227471 BIOSIS  
DN PREV199800227471  
TI Transformation of Acinetobacter sp. strain BD413 by **transgenic**  
sugar beet DNA.  
AU Gebhard, Frank; Smalla, Kornelia (1)  
CS (1) Biologische Bundesanstalt Land- und Forstwirtschaft, Inst. Biochemie  
Pflanzenvirologie Messeweg 11-12, D-38104 Braunschweig Germany  
SO Applied and Environmental Microbiology, (April, 1998) Vol. 64, No. 4, pp.  
1550-1554.  
ISSN: 0099-2240.  
DT Article  
LA English

L5 ANSWER 24 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1998:211921 BIOSIS  
DN PREV199800211921  
TI Meiotic stability of transgene expression is unaffected by flanking  
matrix-associated regions.  
AU Conner, Anthony J.; Mlynarova, Ludmila; Stiekema, Willem J.; Nap,  
Jan-Peter (1)  
CS (1) Dep. Mol. Biol., Cent. Plant Breeding and Reprod. Res., P.O. Box 16,  
NLO-6700 AA Wageningen Netherlands  
SO Molecular Breeding, (Feb., 1998) Vol. 4, No. 1, pp. 47-58.  
ISSN: 1380-3743.  
DT Article  
LA English

L5 ANSWER 25 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1997:501442 BIOSIS  
DN PREV199799800645  
TI Gene targeting approaches using positive-negative selection and large  
flanking regions.  
AU Thykjaer, Thomas; Finnemann, Jorgen; Schausen, Leif; Christensen,  
Liselotte; Poulsen, Carsten; Stougaard, Jens (1)  
CS (1) Lab. Gene Expression, Dep. Molecular Structural Biol., Univ. Aarhus,  
8000 Aarhus C Denmark  
SO Plant Molecular Biology, (1997) Vol. 35, No. 4, pp. 523-530.  
ISSN: 0167-4412.  
DT Article  
LA English

L5 ANSWER 26 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1997:345267 BIOSIS  
DN PREV199799644470  
TI The maize transposable element Ac induces recombination between the donor  
site and an homologous ectopic sequence.  
AU Shalev, Gil; Levy, Avraham A. (1)  
CS (1) Dep. Plant Genetics, Weizmann Inst. Sci., Rehovot 76100 Israel  
SO Genetics, (1997) Vol. 146, No. 3, pp. 1143-1151.  
ISSN: 0016-6731.  
DT Article  
LA English

L5 ANSWER 27 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1997:274005 BIOSIS  
DN PREV199799565723  
TI Gene targeting and instability of Agrobacterium T-DNA loci in the  
**plant** genome.  
AU Risseuw, Eddy; Franke-Van Dijk, Marry E. I.; Hooykaas, Paul J. J. (1)  
CS (1) Clusius Lab., Inst. Mol. Plant Sci., Leiden Univ., Wassenaarseweg 64,  
2333 AL Leiden Netherlands  
SO Plant Journal, (1997) Vol. 11, No. 4, pp. 717-728.

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ISSN: 0960-7412.  
DT Article  
LA English

L5 ANSWER 28 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1997:203661 BIOSIS  
DN PREV199799502864  
TI Targeting of a functional Escherichia coli RecA protein to the nucleus of  
**plant cells.**  
AU Reiss, B.; Kosak, H.; Klemm, M.; Schell, J. (1)  
CS (1) Max-Planck-Inst. Zuechtungsforschung, Carl-von-Linne-Weg 10, D-50892  
Koeln Germany  
SO Molecular & General Genetics, (1997) Vol. 253, No. 6, pp. 695-702.  
ISSN: 0026-8925. *ad*  
DT Article  
LA English *asae*

L5 ANSWER 29 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1996:219943 BIOSIS  
DN PREV199698776072  
TI RecA protein stimulates **homologous recombination** in  
plants.  
AU Reiss, Bernd; Klemm, Manfred; Kosak, Hans; Schell, Jeff (1)  
CS (1) Max-Planck-Inst. fuer Zuechtungsforschung, Carl-von-Linne-Weg 10,  
50892 Cologne Germany *ar*  
SO Proceedings of the National Academy of Sciences of the United States of  
America, (1996) Vol. 93, No. 7, pp. 3094-3098. *abae*  
ISSN: 0027-8424.  
DT Article  
LA English

L5 ANSWER 30 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1995:437923 BIOSIS  
DN PREV199598452223  
TI Efficient gene targeting in the filamentous fungus Alternaria alternata.  
AU Shiotani, Hiroshi; Tsuge, Takashi (1)  
CS (1) School of Agricultural Sciences, Nagoya University, Chikusa, Nagoya  
461-01 Japan  
SO Molecular & General Genetics, (1995) Vol. 248, No. 2, pp. 142-150.  
ISSN: 0026-8925.  
DT Article  
LA English

L5 ANSWER 31 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1995:409142 BIOSIS  
DN PREV199598423442  
TI Somatic intrachromosomal **homologous recombination**  
events in populations of **plant** siblings.  
AU Puchta, Holger (1); Swoboda, Peter (1); Gal, Susannah (1); Blot, Michel;  
Hohn, Barbara (1)  
CS (1) Friedrich Miescher-Inst., P.O. Box 2543, CH-4002 Basel Switzerland  
SO Plant Molecular Biology, (1995) Vol. 28, No. 2, pp. 281-292.  
ISSN: 0167-4412.  
DT Article  
LA English

L5 ANSWER 32 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1995:398492 BIOSIS  
DN PREV199598412792  
TI Trans-kingdom T-DNA transfer from Agrobacterium tumefaciens to  
Saccharomyces cerevisiae.  
AU Bundock, Paul; Den Dulk-Ras, Amke; Beijersbergen, Alice; Hooykaas, Paul  
J.  
J. (1)  
CS (1) Inst. Molecular Plant Sci., Clusius Lab., Leiden Univ.,  
Wassenaarseweg



64, 2333 AL Leiden Netherlands  
SO EMBO (European Molecular Biology Organization) Journal, (1995) Vol. 14,  
No. 13, pp. 3206-3214.  
ISSN: 0261-4189.  
DT Article  
LA English

L5 ANSWER 33 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1994:436199 BIOSIS  
DN PREV199497449199  
TI Gene targeting in plants using the Agrobacterium vector system.  
AU Offringa, Remko (1); Van Den Elzen, Peter J. M.; Hooykaas, Paul J. J.  
CS (1) MOGEN International, Einsteinweg 97, 2333 CB Leiden Netherlands  
SO Transgenic Research, (1992) Vol. 1, No. 3, pp. 114-123.  
ISSN: 0962-8819.  
DT General Review  
LA English

L5 ANSWER 34 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1994:231712 BIOSIS  
DN PREV199497244712  
TI Recombination between viral RNA and **transgenic plant**  
transcripts.  
AU Greene, Ann E.; Allison, Richard F. (1)  
CS (1) Dep. Botany Plant Pathol., Plant Biol. Building, Michigan State  
Univ.,  
East Lansing, MI 48824-1312 USA  
SO Science (Washington D.C), (1994) Vol. 263, No. 5152, pp. 1423-1425.  
ISSN: 0036-8075.  
DT Article  
LA English

L5 ANSWER 35 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1994:127307 BIOSIS  
DN PREV199497140307  
TI Intrachromosomal **homologous recombination** in whole  
plants.  
AU Swoboda, Peter (1); Gal, Susannah; Hohn, Barbara (1); Puchta, Holger (1)  
CS (1) Friedrich Miescher-Inst., PO Box 2543, CH-4002 Basel Switzerland  
SO EMBO (European Molecular Biology Organization) Journal, (1994) Vol. 13,  
No. 2, pp. 484-489.  
ISSN: 0261-4189.  
DT Article  
LA English

L5 ANSWER 36 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1993:164645 BIOSIS  
DN PREV199395085695  
TI Stress-induced intrachromosomal recombination in **plant** somatic  
cells.  
AU Lebel, Edouard G.; Masson, Jean; Bogucki, Augustyn; Paszkowski, Jerzy  
CS Friedrich Miescher Inst., P.O. Box 2543, 4002 Basel Switzerland  
SO Proceedings of the National Academy of Sciences of the United States of  
America, (1993) Vol. 90, No. 2, pp. 422-426.  
ISSN: 0027-8424.  
DT Article  
LA English

L5 ANSWER 37 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1992:257829 BIOSIS  
DN BA93:134154  
TI SOMATIC AND MEIOTIC CHROMOSOMAL RECOMBINATION BETWEEN INVERTED  
DUPLICATIONS IN **TRANSGENIC** TOBACCO PLANTS.  
AU TOVAR J; LICHTENSTEIN C  
CS CENTRE BIOTECHNOLOGY, IMPERIAL COLL. SCI. TECHNOL. MED., EXHIBITION ROAD,  
LONDON SW7 2AZ, UNITED KINGDOM.

SO PLANT CELL, (1992) 4 (3), 319-332.  
CODEN: PLCEEW. ISSN: 1040-4651.  
FS BA; OLD  
LA English

L5 ANSWER 38 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1991:70294 BIOSIS  
DN BA91:38954  
TI SITE-DIRECTED MUTAGENESIS VIA HOMOLOGOUS RECOMBINATION  
IN HIGHER PLANTS.

AU KANEVSKII I F; TSOKO M; MARTON L; GLEBA YU YU  
CS DIV. CELL. BIOL. ENG., M.H. KHOLODNYI INST. BOTANY, ACAD. SCI. UKR. SSR,  
KIEV, USSR.

SO DOKL AKAD NAUK SSSR, (1990) 312 (6), 1505-1507.  
CODEN: DANKAS. ISSN: 0002-3264.  
FS BA; OLD  
LA Russian

L5 ANSWER 39 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1990:517554 BIOSIS  
DN BA90:134830  
TI EXTRACHROMOSOMAL HOMOLOGOUS RECOMBINATION AND GENE  
TARGETING IN PLANT CELLS AFTER AGROBACTERIUM MEDIATED  
TRANSFORMATION.

AU OFFRINGA R; DE GROOT M J A; HAAGSMAN H J; DOES M P; VAN DEN ELZEN P J M;  
HOOYKAAS P J J

CS MOGEN INTERNATIONAL NV, EINSTEINWEG 97, 2333 CB LEIDEN, NETH.  
SO EMBO (EUR MOL BIOL ORGAN) J, (1990) 9 (10), 3077-3084.  
CODEN: EMJODG. ISSN: 0261-4189.

FS BA; OLD  
LA English

L5 ANSWER 40 OF 79 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1989:93963 BIOSIS  
DN BA87:48099  
TI GENE TARGETING IN PLANTS.

AU PASZKOWSKI J; BAUR M; BOGUCKI A; POTRYKUS I  
CS SWISS FEDERAL INST. TECHNOL., INST. PLANT SCI., ETH-ZENTRUM, UNIV. 2,  
CH-8092 ZURICH, SWITZERLAND.

SO EMBO (EUR MOL BIOL ORGAN) J, (1988) 7 (13), 4021-4026.  
CODEN: EMJODG. ISSN: 0261-4189.

FS BA; OLD  
LA English

L5 ANSWER 41 OF 79 CAPLUS COPYRIGHT 1999 ACS  
AN 1999:96347 CAPLUS  
DN 130:149534

TI Improved plastid transformation of higher plants and production of  
**transgenic** plants with herbicide resistance

IN Blowers, Alan D.; Sanford, John; Bailey, Ana Maria

PA Sanford Scientific, Inc., USA; Centro de Investigacion y de Estudios  
Avanzados del I.P.N.

SO PCT Int. Appl., 140 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9905265	A2	19990204	WO 98-US15289	19980723
	WO 9905265	A3	19990520		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP,  
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO,  
NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA,  
UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,  
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,  
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9885837 A1 19990216 AU 98-85837 19980723  
 PRAI US 97-899061 19970723  
 WO 98-US15289 19980723

L5 ANSWER 42 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1998:752976 CAPLUS  
 TI **Transgenic** plants are sensitive bioindicators of nuclear  
 pollution caused by the Chernobyl accident  
 AU Kovalchuk, Igor; Kovalchuk, Olga; Arkhipov, Andrey; Hohn, Barbara  
 CS Ivano-Frankivsk State Medical Academy, Ivano-Frankivsk, 284000, Ukraine  
 SO Nat. Biotechnol. (1998), 16(11), 1054-1059  
 CODEN: NABIF9; ISSN: 1087-0156  
 PB Nature America  
 DT Journal  
 LA English

L5 ANSWER 43 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1998:545391 CAPLUS  
 DN 129:172448  
 TI Cloning and expression of gene for restriction endonuclease I-SceI of  
 Saccharomyces cerevisiae and use of I-SceI  
 IN Dujon, Bernard; Choulika, Andre; Perrin, Arnaud; Nicolas, Jean-francois  
 PA Institut Pasteur, Fr.  
 SO U.S., 79 pp. Cont.-in-part of U. S. 5,474,896.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5792632	A	19980811	US 94-336241	19941107
	US 5474896	A	19951212	US 92-971160	19921105
	US 5866361	A	19990202	US 95-465273	19950605
	WO 9614408	A2	19960517	WO 95-EP4351	19951106
	WO 9614408	A3	19960829		
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2203569	AA	19960517	CA 95-2203569	19951106
	EP 791058	A1	19970827	EP 95-938418	19951106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				
SE	JP 10508478	T2	19980825	JP 95-515058	19951106
PRAI	US 92-879689		19920505		
	US 92-971160		19921105		
	US 94-336241		19941107		
	WO 95-EP4351		19951106		

DN 129:13010  
 TI Transformation of Acinetobacter sp. strain BD413 by **transgenic**  
 sugar beet DNA  
 AU Gebhard, Frank; Smalla, Kornelia  
 CS Biologische Bundesanstalt fur Land- und Forstwirtschaft, Institut fur  
 Biochemie und Pflanzenvirologie, Braunschweig, D-38104, Germany  
 SO Appl. Environ. Microbiol. (1998), 64(4), 1550-1554  
 CODEN: AEMIDF; ISSN: 0099-2240  
 PB American Society for Microbiology  
 DT Journal  
 LA English

L5 ANSWER 46 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1998:233398 CAPLUS  
 DN 128:304551  
 TI Meiotic stability of transgene expression is unaffected by flanking  
 matrix-associated regions  
 AU Conner, Anthony J.; Mlynarova, Ludmila; Stiekema, Willem J.; Nap,  
 Jan-Peter  
 CS Department of Molecular Biology, Centre for Plant Breeding and  
 Reproduction Research (CPRO-DLO), Wageningen, NL-6700 AA, Neth.  
 SO Mol. Breed. (1998), 4(1), 47-58  
 CODEN: MOBRFL; ISSN: 1380-3743  
 PB Kluwer Academic Publishers  
 DT Journal  
 LA English

L5 ANSWER 47 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1998:189275 CAPLUS  
 DN 128:266928  
 TI Repair of genomic double-strand breaks in somatic **plant** cells by  
 one-sided invasion of homologous sequences  
 AU Puchta, Holger  
 CS Institut fur Pflanzengenetik und Kulturpflanzenforschung (IPK),  
 Gatersleben, D-06466, Germany  
 SO Plant J. (1998), 13(3), 331-339  
 CODEN: PLJUED; ISSN: 0960-7412  
 PB Blackwell Science Ltd.  
 DT Journal  
 LA English

L5 ANSWER 48 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1998:31320 CAPLUS  
 DN 128:98547  
 TI Chimeric mutational vectors having non-natural nucleotides for use in  
 gene  
 therapy and creation of **transgenic** organisms  
 IN Kmiec, Eric B.  
 PA Thomas Jefferson University, USA  
 SO PCT Int. Appl., 68 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9748714	A1	19971224	WO 97-US10538	19970616
	W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH, HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 5731181	A	19980324	US 96-664487	19960617
	AU 9734920	A1	19980107	AU 97-34920	19970616

US 5795972 A 19980818 US 97-982867 19971202  
 PRAI US 96-664487 19960617  
 WO 97-US10538 19970616

L5 ANSWER 49 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1998:1585 CAPLUS  
 DN 128:71619  
 TI Integration cassette for improvement of transgenesis in eukaryotes  
 IN Gagne, Marc; Sirard, Marc-Andre; Pothier, Francois  
 PA Universite Laval, Can.  
 SO PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9746691	A1	19971211	WO 97-CA375	19970530
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9728842	A1	19980105	AU 97-28842	19970530
	EP 901528	A1	19990317	EP 97-922794	19970530
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
PRAI	US 96-656838		19960603		
	WO 97-CA375		19970530		

L5 ANSWER 50 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1997:768683 CAPLUS  
 DN 128:57929  
 TI Efficient gene tagging in Arabidopsis thaliana using a gene trap approach  
 AU Babiychuk, Elena; Fuangthong, Mayuree; Van Montagu, Marc; Inze, Dirk; Kushnir, Sergei  
 CS Laboratorium voor Genetica, Department Genetica, Vlaams Interuniversitair Instituut voor Biotechnologie (VIB), Universiteit Gent, Ghent, B-9000, Belg.  
 SO Proc. Natl. Acad. Sci. U. S. A. (1997), 94(23), 12722-12727  
 CODEN: PNASA6; ISSN: 0027-8424  
 PB National Academy of Sciences  
 DT Journal  
 LA English

L5 ANSWER 51 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1997:684900 CAPLUS  
 DN 128:19141  
 TI Gene targeting approaches using positive-negative selection and large flanking regions  
 AU Thykjaer, Thomas; Finnemann, Jorgen; Schauser, Leif; Christensen, Liselotte; Poulsen, Carsten; Stougaard, Jens  
 CS Laboratory of Gene Expression, Department of Molecular and Structural Biology, University of Aarhus, Aarhus, 8000, Den.  
 SO Plant Mol. Biol. (1997), 35(4), 523-530  
 CODEN: PMBIDB; ISSN: 0167-4412  
 PB Kluwer  
 DT Journal  
 LA English

L5 ANSWER 52 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1997:642886 CAPLUS  
 DN 127:288984

TI The maize transposable element Ac induces recombination between the donor site and an homologous ectopic sequence  
 AU Shalev, Gil; Levy, Avraham A.  
 CS Department of Plant Genetics, The Weizmann Institute of Science, Rehovot, 76100, Israel  
 SO Genetics (1997), 146(3), 1143-1151  
 CODEN: GENTAE; ISSN: 0016-6731  
 PB Genetics Society of America  
 DT Journal  
 LA English

L5 ANSWER 53 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1997:364685 CAPLUS  
 DN 127:13920  
 TI Gene targeting and instability of Agrobacterium T-DNA loci in the **plant** genome  
 AU Risseuw, Eddy; Franke-Van Dijk, E.I.; Hooykaas, Paul J.J.  
 CS Clusius Laboratory, Institute of Molecular Plant Sciences, Leiden University, Leiden, 2333 AL, Neth.  
 SO Plant J. (1997), 11(4), 717-728  
 CODEN: PLJUED; ISSN: 0960-7412  
 PB Blackwell  
 DT Journal  
 LA English

L5 ANSWER 54 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1997:262365 CAPLUS  
 DN 126:234450  
 TI Vectors comprising recombination-promoting enzymes for DNA repair stimulation in **transgenic** eukaryote and applications in gene therapy or **plant** genetic engineering  
 IN Reiss, Bernd; Kosak, Hans; Klemm, Manfred; Schell, Jeff  
 PA Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V., Germany; Reiss, Bernd; Kosak, Hans; Klemm, Manfred; Schell, Jeff  
 SO PCT Int. Appl., 57 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9708331	A1	19970306	WO 96-EP3824	19960830
	W: JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE	EP 847445	A1	19980617	EP 96-930142	19960830
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	EP 95-113644		19950830		
	EP 95-113691		19950831		
	WO 96-EP3824		19960830		

L5 ANSWER 55 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1997:249299 CAPLUS  
 DN 126:312832  
 TI Targeting of a functional Escherichia coli RecA protein to the nucleus of **plant** cells  
 AU Reiss, B.; Kosak, H.; Klemm, M.; Schell, J.  
 CS Max-Planck-Inst. Zuechtungsforschung, Cologne, D-50892, Germany  
 SO Mol. Gen. Genet. (1997), 253(6), 695-702  
 CODEN: MGGEAE; ISSN: 0026-8925  
 PB Springer  
 DT Journal  
 LA English

L5 ANSWER 56 OF 79 CAPLUS COPYRIGHT 1999 ACS

AN 1996:428575 CAPLUS  
 DN 125:107019  
 TI Nucleotide sequence encoding yeast enzyme I-SceI and its use in inducing **homologous recombination** in eukaryotic cells and protein production in **transgenic** animals  
 IN Chouluka, Andre; Perrin, Arnaud; Dujon, Bernard; Nicolas, Jean-Francois  
 PA Institut Pasteur, Fr.; Universite Pierre Et Marie Curie  
 SO PCT Int. Appl., 122 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9614408	A2	19960517	WO 95-EP4351	19951106
	WO 9614408	A3	19960829		
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5792632	A	19980811	US 94-336241	19941107
	EP 791058	A1	19970827	EP 95-938418	19951106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				
SE	JP 10508478	T2	19980825	JP 95-515058	19951106
PRAI	US 94-336241		19941107		
	US 92-879689		19920505		
	US 92-971160		19921105		
	WO 95-EP4351		19951106		

L5 ANSWER 57 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1996:204192 CAPLUS  
 DN 124:254127  
 TI RecA protein stimulates **homologous recombination** in plants  
 AU Reiss, Bernd; Klemm, Manfred; Kosak, Hans; Schell, Jeff  
 CS Max-Planck-Inst. Zuechtungsforschung, Cologne, 50892, Germany  
 SO Proc. Natl. Acad. Sci. U. S. A. (1996), 93(7), 3094-8  
 CODEN: PNASA6; ISSN: 0027-8424  
 DT Journal  
 LA English

L5 ANSWER 58 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1996:13155 CAPLUS  
 DN 124:78722  
 TI Positive-negative selection methods and vectors for gene targeting by **homologous recombination**  
 IN Capecchi, Mario R.; Thomas, Kirk R.  
 PA University of Utah Research Foundation, USA  
 SO U.S., 32 pp. Cont. of U.S. Ser. No. 397,707, abandoned.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5464764	A	19951107	US 93-14083	19930204
	US 5487992	A	19960130	US 93-84741	19930628
	US 5627059	A	19970506	US 95-461827	19950605
	US 5631153	A	19970520	US 95-463813	19950605
PRAI	US 89-397707		19890822		
	US 93-14083		19930204		
	US 93-84741		19930628		

L5 ANSWER 59 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1995:813057 CAPLUS  
 DN 123:190500  
 TI Method of transforming **plant** and vector therefor

IN Komari, Toshihiko; Saito, Yasuhito; Hiei, Yukoh  
 PA Japan Tobacco Inc., Japan  
 SO PCT Int. Appl., 54 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9516031	A1	19950615	WO 94-JP2049	19941206
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9511213	A1	19950627	AU 95-11213	19941206
	EP 687730	A1	19951220	EP 95-902308	19941206
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				
SE	US 5731179	A	19980324	US 95-500952	19950808
	AU 9889298	A1	19981203	AU 98-89298	19981014
PRAI	JP 93-340657		19931208		
	AU 95-11213		19941206		
	WO 94-JP2049		19941206		

L5 ANSWER 60 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1995:703788 CAPLUS  
 DN 123:134952  
 TI Trans-kingdom T-DNA transfer from Agrobacterium tumefaciens to Saccharomyces cerevisiae  
 AU Bundock, Paul; del Dulk-Ras, Amke; Beijersbergen, Alice; Hooykaas, Paul J.  
 J.  
 CS Inst. Mol. Plant Sci., Clusius Lab., Leiden Univ., Leiden, 2333 AL, Neth.  
 SO EMBO J. (1995), 14(13), 3206-14  
 CODEN: EMJODG; ISSN: 0261-4189  
 DT Journal  
 LA English

L5 ANSWER 61 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1995:685908 CAPLUS  
 DN 123:104003  
 TI Somatic intrachromosomal **homologous recombination** events in populations of **plant** siblings  
 AU Puchta, Holger; Swoboda, Peter; Gal, Susannah; Blot, Michel; Hohn, Barbara  
 CS Friedrich Miescher-Inst., Basel, CH-4002, Switz.  
 SO Plant Mol. Biol. (1995), 28(2), 281-92  
 CODEN: PMBIDB; ISSN: 0167-4412  
 DT Journal  
 LA English

L5 ANSWER 62 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1995:258236 CAPLUS  
 DN 122:231799  
 TI Inactivation of repeated genes - DNA-DNA interaction?  
 AU Matzke, Marjori; Matzke, Antonius J. M.; Scheid, Ortrun Mittelsten  
 CS Inst. Mol. Biol., Aust. Acad. Sci., Salzburg, A-5020, Austria  
 SO Homologous Recomb. Gene Silencing Plants (1994), 271-307. Editor(s): Paszkowski, Jerzy. Publisher: Kluwer, Dordrecht, Germany.  
 CODEN: 60UBAB  
 DT Conference; General Review  
 LA English

L5 ANSWER 63 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1994:317099 CAPLUS  
 DN 120:317099  
 TI Recombination between viral RNA and **transgenic plant** transcripts



AU Greene, Ann E.; Allison, Richard F.  
 CS Dep. Bot. Plant Pathol., Michigan State Univ., East Lansing, MI,  
 48824-1312, USA  
 SO Science (Washington, D. C., 1883-) (1994), 263(5152), 1423-5  
 CODEN: SCIEAS; ISSN: 0036-8075  
 DT Journal  
 LA English

L5 ANSWER 64 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1994:159159 CAPLUS  
 DN 120:159159  
 TI Genetic engineering of novel **plant** phenotypes by lowering levels  
 of expression of endogenous genes  
 IN Jorgensen, Richard A.; Napoli, Carolyn A.  
 PA DNA Plant Technology Corp., USA  
 SO U.S., 24 pp. Cont.-in-part of U.S. Ser. No. 501,076.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5283184	A	19940201	US 91-687550	19910417
	US 5034323	A	19910723	US 89-331338	19890330
	US 5231020	A	19930727	US 90-501076	19900329
PRAI	US 89-331338		19890330		
	US 90-501076		19900329		

L5 ANSWER 65 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1994:159036 CAPLUS  
 DN 120:159036  
 TI Intrachromosomal **homologous recombination** in whole  
 plants  
 AU Swoboda, Peter; Gal, Susannah; Hohn, Barbara; Puchta, Holger  
 CS Friedrich Miescher-Inst., Basel, CH-4002, Switz.  
 SO EMBO J. (1994), 13(2), 484-9  
 CODEN: EMJODG; ISSN: 0261-4189  
 DT Journal  
 LA English

L5 ANSWER 66 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1993:249297 CAPLUS  
 DN 118:249297  
 TI Genetic construct for selection of homologous recombinants on a single  
 selective medium  
 IN Guerra, Daniel J.; Xiang, Chengbin  
 PA Idaho Research Foundation, Inc., USA  
 SO PCT Int. Appl., 51 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9307266	A1	19930415	WO 92-US8513	19921006
	W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP,				
	KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE, BF,				
	BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
	AU 9227789	A1	19930503	AU 92-27789	19921006
	US 5527674	A	19960618	US 94-236957	19940502
PRAI	US 91-773333		19911007		
	WO 92-US8513		19921006		

L5 ANSWER 67 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1993:118298 CAPLUS

DN 118:118298  
 TI Tomato resistant to cucumber mosaic virus and method for transforming  
 tomato  
 IN Saito, Yasuhito; Komari, Toshihiko; Kumashiro, Takashi; Masuta, Chikara;  
 Hayashi, Yumiko; Takanami, Yoichi  
 PA Japan Tobacco, Inc., Japan  
 SO Eur. Pat. Appl., 12 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 504869	A2	19920923	EP 92-104774	19920319
	EP 504869	A3	19921119		
	R: FR, IT				
	JP 04330234	A2	19921118	JP 91-81544	19910320
PRAI	JP 91-81544		19910320		

L5 ANSWER 68 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1993:118082 CAPLUS  
 DN 118:118082  
 TI Stress-induced intrachromosomal recombination in **plant** somatic  
 cells  
 AU Lebel, Edouard G.; Masson, Jean; Bogucki, Augustyn; Paszkowski, Jerzy  
 CS Inst. Plant Sci., ETH-Zurich, Zurich, 8092, Switz.  
 SO Proc. Natl. Acad. Sci. U. S. A. (1993), 90(2), 422-6  
 CODEN: PNASA6; ISSN: 0027-8424  
 DT Journal  
 LA English

L5 ANSWER 69 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1992:466778 CAPLUS  
 DN 117:66778  
 TI Cucumber mosaic virus-tolerant **transgenic** tomato plants  
 expressing a satellite RNA  
 AU Saito, Y.; Komari, T.; Masuta, C.; Hayashi, Y.; Kumashiro, T.; Takanami,  
 Y.  
 CS Plant Breed. Genet. Res. Lab., Japan Tob. Inc., Iwata, 438, Japan  
 SO Theor. Appl. Genet. (1992), 83(6-7), 679-83  
 CODEN: THAGA6; ISSN: 0040-5752  
 DT Journal  
 LA English

L5 ANSWER 70 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1992:249799 CAPLUS  
 DN 116:249799  
 TI Somatic and meiotic chromosomal recombination between inverted  
 duplications in **transgenic** tobacco plants  
 AU Tovar, Jorge; Lichtenstein, Conrad  
 CS Cent. Biotechnol., Imp. Coll. Sci. Technol., London, SW7 2AZ, UK  
 SO Plant Cell (1992), 4(3), 319-32  
 CODEN: PLCEEW; ISSN: 1040-4651  
 DT Journal  
 LA English

L5 ANSWER 71 OF 79 CAPLUS COPYRIGHT 1999 ACS  
 AN 1992:167829 CAPLUS  
 DN 116:167829  
 TI Method for **homologous recombination** of transforming  
 DNA into the genomes of animal and **plant** cells  
 IN Bradley, Allan; Davis, Ann C.; Hasty, Paul  
 PA Baylor College of Medicine, USA  
 SO PCT Int. Appl., 101 pp.  
 CODEN: PIXXD2  
 DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9119796	A1	19911226	WO 91-US4006	19910607
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	CA 2084774	AA	19911213	CA 91-2084774	19910607
	AU 9181823	A1	19920107	AU 91-81823	19910607
	AU 654284	B2	19941103		
	EP 535144	A1	19930407	EP 91-912599	19910607
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 05507853	T2	19931111	JP 91-511760	19910607
	US 5614396	A	19970325	US 94-200011	19940222
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L5 ANSWER 72 OF 79 CAPLUS COPYRIGHT 1999 ACS

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TI Evidence for T-DNA mediated gene targeting to tobacco chloroplasts

AU Venkateswarlu, K.; Nazar, R. N.

CS Dep. Mol. Biol. Genet., Univ. Guelph, Guleph, ON, N1G 2W1, Can.

SO Bio/Technology (1991), 9(11), 1103-5

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TI Genomic **homologous recombination** in planta

AU Gal, Susannah; Pisan, Barbara; Hohn, Thomas; Grimsley, Nigel; Hohn, Barbara

CS Friedrich Miescher-Inst., Basel, CH-4002, Switz.

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CODEN: EMJODG; ISSN: 0261-4189

DT Journal

LA English

L5 ANSWER 74 OF 79 CAPLUS COPYRIGHT 1999 ACS

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TI Extrachromosomal **homologous recombination** and gene targeting in **plant** cells after Agrobacterium mediated transformation

AU Offringa, Remko; De Groot, Marcel J. A.; Haagsman, Henne J.; Does, Mirjam P.; Van den Elzen, Peter J. M.; Hooykaas, Paul J. J.

CS MOGEN Int. N. V., Leiden, 2333 CB, Neth.

SO EMBO J. (1990), 9(10), 3077-84

CODEN: EMJODG; ISSN: 0261-4189

DT Journal

LA English

L5 ANSWER 75 OF 79 CAPLUS COPYRIGHT 1999 ACS

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TI Site-directed mutagenesis in higher plants through **homologous recombination**

AU Kanevskii, I. F.; Czako, M.; Marton, L.; Gleba, Yu. Yu.

CS Otdel. Kletochn. Biol. Inzh., Inst. Bot. im. Kholodnogo, Kiev, USSR

SO Dokl. Akad. Nauk SSSR (1990), 312(6), 1505-7, 1 plate [Genet.]

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DT Journal  
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AU Paszkowski, Jerzy  
CS Inst. Plant Sci., Swiss Fed. Inst. Technol., Zurich, 8092, Switz.  
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DT Journal; General Review  
LA English

L5 ANSWER 77 OF 79 CAPLUS COPYRIGHT 1999 ACS  
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IN Paszkowski, Jerzy; Baur, Markus; Potrykus, Ingo  
PA Ciba-Geigy A.-G., Switz.  
SO Eur. Pat. Appl., 23 pp.  
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CS Friedrich Miescher Inst., Basel, CH-4002, Switz.  
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AU Potrykus, Ingo  
CS Inst. Plant Sci., Swiss Fed. Inst. Technol., Zurich, CH-8092, Switz.  
SO Ciba Found. Symp. (1988), 137(Appl. Plant Cell Tissue Cult.), 144-62  
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LA English